

WHAT IS CLAIMED IS:

1. A camera device, comprising:

a camera section for capturing an image; and

5 a camera individual information storage section for
storing camera individual information of the camera section
based on a camera parameter including at least a camera
structure parameter.

10 2. The camera device according to claim 1, wherein the
camera individual information is a camera parameter including
at least a camera structure parameter.

15 3. The camera device according to claim 2, wherein the
camera structure parameter includes at least a projection
center of the camera section.

20 4. The camera device according to Claim 1, wherein the
camera individual information is a mapping table describing
correspondence between a pixel of a synthesized image and a
pixel of the camera section which is obtained based on the
camera parameter.

25 5. The camera device according to Claim 1, wherein the
camera individual information storage section is structured
so that the camera parameter is readable from outside of the

camera device.

6. The camera device according to claim 1, further comprising an image superimposing means for superimposing the
5 camera individual information received from the camera individual information storage section on an image received from the camera section for output.

7. The camera device according to claim 1, further
10 comprising a state sensing means for sensing a state of the camera device, wherein the camera individual information storage section outputs camera individual information corresponding to the state sensed by the state sensing means.

15 8. A camera system comprising:

a camera section for capturing an image;

a camera individual information storage section for
storing camera individual information of the camera section
based on a camera parameter including at least a camera
20 structure parameter; and

an image processing section for processing an image
received from the camera section, using the camera individual
information received from the camera individual information
storage section.

9. A method for processing an image in a camera system having an image processing section, comprising the steps of:

inputting, when a camera device is mounted to the camera system, camera individual information stored in the camera device and based on a camera parameter into the image processing section; and

processing an output image of the camera device in the image processing section based on the camera individual information.

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